

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER

0121/0059

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/593717

INTERNATIONAL APPLICATION NO.

PCT/JP2005/005880

INTERNATIONAL FILING DATE

29 March 2005 (29.03.2005)

PRIORITY DATE CLAIMED

30 March 2004 (30.03.2004)

TITLE OF INVENTION:

ELECTRONIC SERVICE MANUAL GENERATION METHOD, ADDITIONAL DATA GENERATION METHOD,
ELECTRONIC SERVICE MANUAL GENERATION APPARATUS, ADDITIONAL DATA GENERATION APPARATUS,
ELECTRONIC SERVICE MANUAL GENERATION PROGRAM, ADDITIONAL DATA GENERATION PROGRAM, AND
RECORDING MEDIA ON WHICH THESE PROGRAMS ARE RECORDED

APPLICANT(S) FOR DO/EO/US

Ikuo NUNO and Hatsuo OKUBO

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment. (Article 34 Amendment)
14. ☐ An Application Data Sheet under 37 CFR 1.76
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

U.S. APPLICATION NO. (if known) 107593717		INTERNATIONAL APPLICATION NO. PCT/JP2005/005880		ATTORNEY'S DOCKET NUMBER 0121/0059	
20. <input checked="" type="checkbox"/> Other items or information: International Publication No. WO 2005/096173 A1 including Search Report PCT/IB/304 - Notification Concerning Submission or Transmittal of Priority Document PCT/IB/308 - (First, Second and Supplementary Notice) * English Translation of Article 34 Amendment English Translation of Reply to Written Opinion					
<input checked="" type="checkbox"/> The following fees are submitted:				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) \$300				\$300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) . \$0 All other situations \$200				\$200.00	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400 All other situations \$500				\$400.00	
TOTAL OF 21, 22 AND 23 =				\$900.00	
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to whole number)	RATE		
218 - 100 =	118/50 =	3	x \$250	\$ 750.00	
Surcharge of \$130.00 for furnishing the any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
Claims	Number Filed	Number Extra	Rate	* Number of claims to be charged based on 28 claims in the Article 34 Amendment	
Total Claims	28-20 =	8	X\$50	\$400.00	
Independent Claims	8- 3 =	5	X \$200	\$1,000.00	
Multiple dependent claim(s)(if applicable)			+ \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$3,050.00	
<input type="checkbox"/> Application claims small entity status. See 37 CFR1.27. Fees above are reduced by 1/2				\$	
SUBTOTAL =				\$	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(l)).				\$	
TOTAL NATIONAL FEE =				\$3,050.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$ 40.00	
TOTAL FEES ENCLOSED =				\$3,090.00	
				Amount to be: refunded	\$
				charged	\$

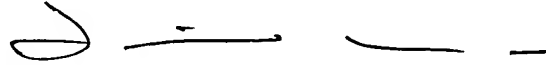
- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed. 10/593717
- b. ☒ Please charge my Deposit Account No. 50-0501 in the amount of \$ 3,090.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0501. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b) must be filed and granted to restore the application to pending status

SEND ALL CORRESPONDENCE TO:

Louis Woo at Customer No. 021395 whose address as of the filing of this application is:

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SIGNATURE

Louis Woo
NAME

31,730
REGISTRATION NUMBER

10/593717

REPLY

To : The Examiner of The Patent Office

1. Identification of the International Application

PCT/JP2005/005880

2. Applicant

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4. Date of Notification 12.07.2005

5. Subject Matter of Reply

After discussing two cited references (Japanese Patent Application Publication No. Hei 11-096161 and No. Hei 11-316719) defined by written opinions of the International Searching Authority, forwarded on July 12, 2005, and by also submitting an amendment, the present applicant has amended the claims and the specification corresponding to the claims.

We believe that the inventions defined by amended claims 1 to 28 are novel and inventive with respect to those in the above two cited references.

The inventions defined by amended claims 1 to 5, 8 to 12, 15 to 19 and 22 to 26 are characterized by the original data acquisition step (or the original data acquisition means), drawing data in which parts used for the predetermined product are illustrated are obtained as the original data, at the structure definition acquisition step (or the structure definition acquisition means), drawing structure definition information, in which a structure definition related to the drawing is described and which includes a structure definition to structure, as one group, graphics primitive data and attribute data indicating the graphics primitive data, is obtained as the structure definition information. These characteristics are supported, for example, by Fig. 4 (paragraphs [0115] to [0134]) in the specifications of this invention).

According to the characteristics concerning amended

claims 1 to 5, 8 to 12, 15 to 19 and 22 to 26, structure definition information indicates a structure definition, according to which graphics primitive data, and attribute data indicating the graphics primitive data, are assembled to form a single group. Therefore, generated structure data need not be changed in accordance with various external programs, and graphics primitive data can be easily correlated with attribute data by each external program. These characteristics are neither disclosed nor taught in the above two cited references. Therefore, the inventions defined by amended claims 1 to 5, 8 to 12, 15 to 19 and 22 to 26 are novel and inventive.

Further, the inventions defined by amended claims 6, 7, 13, 14, 20, 21, 27 and 28 are characterized by a structure definition acquisition step (or a structure definition acquisition means) obtaining structure definition information, in which a structure definition related to the additional information entered by the user is described in order to structure the additional information, together with information that designates the drawing correlated with the additional information, and which is stored at a location is capable of referencing. These characteristics are supported, for example, by Fig. 8 (paragraphs [0155] to [0160]) or Fig. 9 (paragraphs [0161] to [0164]) of the specifications of this invention.

The characteristics concerning amended claims 6, 7, 13, 14, 20, 21, 27 and 28 provide a structure definition in that

additional information is structured, including information that designates a drawing concerning the additional information. Thus, additional information can be correlated with a drawing that is consonant with the additional information, and can also be displayed in an arbitrary display form. These characteristics are neither disclosed nor taught in the above two cited references. Therefore, the inventions defined by amended claims 6, 7, 13, 14, 20, 21, 27 and 28 are novel and inventive.

As explained, the inventions defined by amended claims 1 to 28 have technical characteristics not described in cited references 1 and 2, and these characteristics can provide operating effects that can not be conventionally obtained. Thus, the inventions defined by amended claims 1 to 28 are not easily acquired, based on the descriptions in cited references 1 and 2, and is therefore novel and inventive.

We request re-examination of the present application after amendment.